

7. (Amended) An electrical wiring assembly comprising:

an electrical box having an open front face and a back face defining a power cable aperture, said electrical box configured to be installed with said front face generally flush with a wall panel exterior surface;

a wiring panel comprising a generally planar board, said wiring panel fastened within said electrical box so as to partition the interior of said box into a user accessible module compartment proximate said front face and a user inaccessible wiring compartment proximate said back face,

said wiring panel having a fixture within said module compartment and a cable connector within said wiring compartment,

said fixture providing an electrical connection to said cable connector via a ~~buss~~ portion of said wiring panel, AG

said cable connector configured to terminate a power cable routed through said aperture into said wiring compartment; and

02 a user replaceable module providing a user operable electrical function, said module installable within said module compartment by snapping said module into said fixture and removable from said module compartment by unsnapping said module from said fixture, said module electrically connected to said cable connector when installed within said module compartment.

8. (Amended) The electrical wiring assembly of Claim 7 wherein said fixture has a first contact and said module has a corresponding second contact, one of said first and second contacts having a latch and an associated contact surface and the other one of said first and second contacts having a spring contact, said spring contact being retained by said latch and electrically connecting to said contact surface when said module is snapped into said fixture.

9. (Amended) The electrical wiring assembly of Claim 8 wherein portions of said fixture shield said first contact on all sides so as to minimize user exposure to said first contact when said module is not installed within said module compartment.

12-16. (Amended) An electrical wiring assembly comprising:

03 an electrical box having an open front face and an internal mounting post located at a recess from said front face;

a wiring panel having a front side and a back side, said wiring panel installed inside said electrical box with said back side abutting said mounting post;

a cable connector located on said wiring panel back side configured to connect to a power cable;

a contact surface electrically connected to said cable connector;

a panel fixture located on said wiring panel front face and housing said contact surface;

a prong connector electrically connected to said cable connector; and

a socket located on said wiring panel front face and housing said prong connector, said cable connector configured to connect to a power cable so that power is transmitted to a plug inserted into said socket via said power cable, said cable connector and said prong connector.

23. 32. (Amended) An electrical wiring assembly comprising:

an electrical box means for mounting in a wall;

a wiring panel means for attaching power cables, said wiring panel means installed within said electrical box means;

a module means for providing an electrical function installable within said electrical box means; and

a snap-in means for removably attaching and electrically connecting said module means to said wiring panel means with tactile feedback.

Added Claims

Please add Claims 36-45 as follows:

24. 36. The electrical box assembly of Claim 24 wherein said electrical box has a grip configured to accommodate a finger so as to facilitate the moving of said electrical box between said positions.

25. 37. An electrical wiring assembly comprising:

an electrical box having an open front face and a back face;

a module compartment defined within said box proximate said front face;

a wiring compartment defined within said box proximate said back face;

a wiring panel separating said module compartment from said wiring compartment;

a plurality of first contacts mounted within said module compartment and configured to electrically connect with a replaceable module; and

a plurality of second contacts mounted within said wiring compartment and configured to electrically connect with a power cable, said first contacts interconnected with corresponding ones of said second contacts.

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38. The electrical wiring assembly of Claim 27 further comprising a socket portion of said wiring panel having a hot slot, a neutral slot and a ground hole configured to accept a plug inserted into said module compartment when said module is not installed; and

a plurality of third contacts mounted within said socket portion and interconnected with corresponding ones of said second contacts.

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39. The electrical wiring assembly of Claim 38 further comprising a removable protective cover configured to install within said module compartment so as to shield said wiring panel.

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40. The electrical wiring assembly of Claim 39 further comprising a plug opening defined by said protective cover and corresponding to said socket portion so as to allow said plug to be inserted through said protective cover and into said socket.

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41. An electrical wiring assembly comprising:
an electrical box having an open front face;
a wiring panel installable within said electrical box;
a cable connector located on a back side of said wiring panel and configured to electrically connect to a power cable;

a panel contact located on a front side of said wiring panel and configured to electrically connect to a removable module having a spring contact; and

a socket contact located on said front side and configured to electrically connect to removable plug having a prong contact.

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42. The electrical wiring assembly of Claim 41 wherein said panel contact and said spring contact provide tactile feedback when connected.

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43. The electrical wiring assembly of Claim 41 wherein said wiring panel comprises:
a post attached to and extending perpendicularly from said front side; and
a clip attached to said post distal said panel, said clip adapted to mount to an edge of said box so as to secure said panel within said box.

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44. An electrical wiring assembly comprising:
an electrical box configured to house a power cable;